In the Claims

- 1. (Currently Amended) A stainless steel for a proton-exchange membrane fuel cell separator, having a composition comprising 0.03 mass % or less of C, 16-45 mass % of Cr, 0.03 mass % or less of N, 0.1-5.0 mass % of Mo, wherein a total of the C content and the N content satisfies 0.03 mass % or less; a balance portion is comprised of Fe and unavoidable impurities, [[;]] and having with respect to Al, Cr, and Fe contained in a passive film on a surface of the stainless steel with an atomic ratio of Cr/Fe which is 1 or greater[[;]] and an atomic ratio of Al/(Cr+Fe) which is less than 0.10.
- 2. (Currently Amended) A stainless steel for a proton-exchange membrane fuel cell separator, having a composition comprising 0.03 mass % or less of C, 0.03 mass % or less of N, 20-45 mass % of Cr, and 0.1-5.0 mass % of Mo, wherein a total of the C content and the N content satisfies 0.03 mass % or less; a balance portion is comprised of Fe and unavoidable impurities, [[;]] and having with respect to Al, Cr, and Fe contained in a passive film on a surface of the stainless steel with an atomic ratio of Cr/Fe which is 1 or greater[[,]] and an atomic ratio of Al/(Cr+Fe) which is less than 0.05.
- (Currently Amended) A <u>The</u> stainless steel for a proton-exchange membrane fuel eell-separater according to claim 1, wherein in-addition to the composition, the stainless steel further comprises at least one selected from a group of items (1) - (4):
 - (1) Si: 1.0 mass % or less;
 - (2) Mn: 1.0 mass % or less:
 - (3) Al: 0.001-0.2 mass % or less; and
 - (4) Ti or Nb: 0.01-0.5 mass %; or a total of Ti and Nb: 0.01-0.5 mass %.
- 4. (Currently Amended) A <u>The</u> stainless steel for a proton exchange membrane fuel cell separator according to claim 1, wherein [[,]] of oxygens contained in the passive film[[,]] <u>has</u> an atomic ratio of O(M) / O(H) between an oxygen O(M) present in the state of a metal oxide and an oxygen O(H) present in the state of a metal hydroxide is 0.9 or less.

(Currently Amended) A <u>The</u> stainless steel for a proton exchange membrane fuel
eell separator according to claim 1, wherein the Cr content is 20 to 45 mass %.

(Cancelled)

- (Currently Amended) A <u>The</u> stainless steel for a proton-exchange membrane fuel eell separator according to claim 2, wherein in addition to the composition; the stainless steel further comprises at least one selected from a group of items (1)-(4):
 - (1) Si: 1.0 mass % or less;
 - (2) Mn: 1.0 mass % or less;
 - (3) Al: 0.001-0.2 mass % or less; and
 - (4) Ti or Nb: 0.01-0.5 mass %; or a total of Ti and Nb: 0.01-0.5 mass %.
- 8. (Currently Amended) A <u>The</u> stainless steel for a proton-exchange membrane fuel eell-separator according to claim 2, wherein [[,]] of oxygens contained in the passive film[[,]] has an atomic ratio of O(M) / O(H) between an oxygen O(M) present in the state of a metal oxide and an oxygen O(H) present in the state of a metal hydroxide is 0.9 or less.
- 9. (Currently Amended) A <u>The</u> stainless steel for a proton-exchange membrane fuel eell separator according to claim 3, wherein [[,]] of oxygens contained in the passive film[[,]] <u>has</u> an atomic ratio of O(M) / O(H) between an oxygen O(M) present in the state of a metal oxide and an oxygen O(H) present in the state of a metal hydroxide is 0.9 or less.
- 10. (Currently Amended) A <u>The</u> stainless steel for a proton-exchange membrane fuel eell-separator according to claim 7, wherein [[,]] of oxygens contained in the passive film[[,]] <u>has</u> an atomic ratio of O(M)/O(H) between an oxygen O(M) present in the state of a metal oxide and an oxygen O(H) present in the state of a metal hydroxide is 0.9 or less.
- (Currently Amended) A <u>The</u> stainless steel for a proton-exchange membrane fuel eell-separator-according to claim 3, wherein the Cr content is 20 to 45 mass %.

- (Currently Amended) A <u>The</u> stainless steel for a proton exchange membrane fuel cell separator according to claim 4, wherein the Cr content is 20 to 45 mass %.
- (Currently Amended) -A <u>The</u> stainless steel for a proton exchange membrane fuel cell-separator according to claim 7, wherein the Cr content is 20 to 45 mass %.
- (Currently Amended) A <u>The</u> stainless steel for a proton exchange membrane fuel eell separator according to claim 8, wherein the Cr content is 20 to 45 mass %.
- (Currently Amended) A <u>The</u> stainless steel for a proton-exchange membrane fuel eell-separater according to claim 9, wherein the Cr content is 20 to 45 mass %.
- (Currently Amended) A <u>The</u> stainless steel for a proton-exchange membrane fuel eell-separator according to claim 10, wherein the Cr content is 20 to 45 mass %.
- 17. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 1 is used for the separator.
- 18. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 2 is used for the separator.
- 19. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 3 is used for the separator.
- 20. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 4 is used for the separator.

- 21. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 5 is used for the separator.
- 22. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 7 is used for the separator.
- 23. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 8 is used for the separator.
- 24. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 9 is used for the separator.
- 25. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 10 is used for the separator.
- 26. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 11 is used for the separator.
- 27. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 12 is used for the separator.
 - 28. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid

polymer film, an electrode, and a separator, wherein the stainless steel according to claim 13 is used for the separator.

- 29. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 14 is used for the separator.
- 30. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 15 is used for the separator.
- 31. (Withdrawn) A proton-exchange membrane fuel cell formed to comprise a solid polymer film, an electrode, and a separator, wherein the stainless steel according to claim 16 is used for the separator.